

truck specification.

- **ENGINE-16TGVW BS-IV:** Type of the engine should be water cooled, direct injection, turbo charged, intercooled diesel engine, power of the engine- Min 100kW (136HP) @ 2400RPM, Engine Torque- Min 450Nm @ 1400RPM, displacement (cc)- 3300 CC or more, Air cleaner type- dry type remote mounted, Fuel pump-Electronic, No. of cylinders-04, CLUTCH-single plate dry friction type.
 - **GEARBOX :** Type of the gearbox should be synchromesh, No. of gears-6 Forward + 1 Reverse Gear, Front Axle- Heavy duty forged I beam, Rear axle- Reverse elliot type, single reduction hypoid gears, fully floating axle shafts.
 - **STEERING-:** Steering shall be Power Steering.
 - **SUSPENSION: Front- Semi elliptical Leaf spring or parabolic and Rear- Semi elliptical Leaf spring,** shock Absorbers- hydraulic double acting telescopic type at front only. Parabolic suspension will give better cabin comfort & longer leaf life and Semi elliptical has rugged structure, suitable for any kind of load and surface.
 - **BRAKE** Service- Full Air S-Cam/full air dual line Brakes with ABS parking brake- hand operated, spring actuated parking brake acting on rear wheels engine exhaust brakes- auto exhaust brake or switch operated.
 - **Wheels & Tyres:** Number of Tyres in Front – 2; Rear – 4; Spare – 1 and Tyre size-9Rx20 -16 PR Radial tyres
 - **Fuel Tank**-160 liters or more
 - **DIMENSIONS** Maximum wheel Base (mm)- 5200mm and Min Ground clearance (mm)- 225mm or more.
 - **BODY:** All steel body and loading compartments: the length of the chassis if necessary to be extended by fabricating out of "C" channel and firmly welded to the end of the chassis to give a total body length of 24ft. The extension shall not be more than 45% of over hand.
The inner dimensions of the loading compartment shall be as follows:
 - d) **Length of the body : 24' 0"**
 - e) **Width of the body : 7' 3"**
 - f) **Height : 2' 0"**
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- **FRAME:** The chassis frame of the vehicle and is the main load-bearing element. As per OEM Specifications, the bidder shall furnish the certified Specifications as approved by certifying agency approved by the Government. The frame shall be Ladder type, Heavy duty frame with riveted/bolted cross member.
 - **ELECTRICAL SYSTEM:** Committee members opined that battery rating of – 1x12V/24V, 100Ah or more capacity shall be provisioned which can compactible to latest illumination bulbs voltage ratings.
 - **WEIGHT:** Weight of the bare chassis kerb with cowl should be as per IS-9211, Maximum permissible weight of GVW -16500Kgs, maximum permissible FAW - 6000Kgs and maximum permissible RAW -10900Kgs.